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PTO/SB/05 (03-01)

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| <b>UTILITY<br/>PATENT APPLICATION<br/>TRANSMITTAL</b><br><i>(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))</i> | Attorney Docket No. | <b>US 010177A</b>  |
|  | First Inventor      | <b>GEORGE MELNIK</b>   |
|  | Title               | <b>LIQUID CRYSTAL DISPLAY DEVICE HAVING<br/>UNIFORM INTEGRATED SPACERS</b> |
|  | Date                | <b>10/15/03</b>  |
| Express Mail Label No.   |                     | <b>EV 312 013702</b>   |

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| <b>APPLICATION ELEMENTS</b><br><i>See MPEP chapter 600 concerning utility patent application contents.</i>  |  | <b>ADDRESS TO:</b> Assistant Commissioner for Patents<br>Box Patent Application<br>Alexandria, VA 22313  |                     |
| 1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17)<br><i>(Submit an original and a duplicate for fee processing)</i><br>2. <input type="checkbox"/> Applicant claims small entity status.<br><i>See 37 CFR 1.27.</i><br>3. <input checked="" type="checkbox"/> Specification [Total Pages <b>14</b> ]<br><i>(preferred arrangement set forth below)</i><br>- Descriptive title of the invention<br>- Cross Reference to Related Applications<br>- Statement Regarding Fed sponsored R & D<br>- Reference to sequence listing, a table,<br>or a computer program listing appendix<br>- Background of the invention<br>- Brief Summary of the invention<br>- Brief Description of the Drawings (if filed)<br>- Detailed Description<br>- Claim(s)<br>- Abstract of the Disclosure<br>4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets <b>3</b> ]<br>5. Oath or Declaration [Total Pages <b>2</b> ]<br>a. <input type="checkbox"/> Newly executed (original or copy)<br>b. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR 1.63 (d))<br><i>(for a continuation/divisional with Box 18 completed)</i><br>i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b><br>Signed statement attached deleting inventor(s)<br>named in the prior application, see 37 CFR<br>1.63(d)(2) and 1.33(b).<br>6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76 |  | 7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or<br>Computer Program ( <i>Appendix</i> )<br>8. Nucleotide and/or Amino Acid Sequence Submission<br><i>(if applicable, all necessary)</i><br>a. <input type="checkbox"/> Computer Readable Form (CRF)<br>b. Specification Sequence Listing on:<br>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or<br>ii. <input type="checkbox"/> paper<br>c. <input type="checkbox"/> Statements verifying identity of above copies   |                     |
|   |  | <b>ACCOMPANYING APPLICATIONS PARTS</b><br>9. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))<br>10. <input type="checkbox"/> 37 C.F.R. §3.73(b) Statement <input checked="" type="checkbox"/> Power of Attorney<br><i>(when there is an assignee)</i><br>11. <input type="checkbox"/> English Translation Document <i>(if applicable)</i><br>12. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations<br>13. <input type="checkbox"/> Preliminary Amendment<br>14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503)<br><i>(Should be specifically itemized)</i><br>15. <input type="checkbox"/> Certified Copy of Priority Document(s)<br><i>(if foreign priority is claimed)</i><br>16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122<br>(b)(2)(B)(i). Applicant must attach form PTO/SB/35<br>or its equivalent.<br>17. <input type="checkbox"/> Other: _____ |                     |
| 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment,<br>or in an Application Data Sheet under 37 CFR 1.76:<br><input type="checkbox"/> Continuation <input checked="" type="checkbox"/> <b>Divisional</b> <input type="checkbox"/> Continuation-in-part (CIP) of prior application No: <b>09/833,718</b><br>Prior application information: Examiner <b>JENNIFER M. KENNEDY</b> Group / Art Unit: <b>2812</b><br>For CONTINUING or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied<br>under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference.<br>The incorporation <u>can only</u> be relied upon when a portion has been inadvertently omitted from the submitted application parts.  |  |  |                     |
| <b>17. CORRESPONDENCE ADDRESS</b>   |  |  |                     |
| <input checked="" type="checkbox"/> Customer Number or Bar Code Label   |  | <div style="text-align: center;"> <b>*24737*</b><br/> <br/>         PATENT TRADEMARK OFFICE<br/> <i>(Insert Customer No. or Attach bar code label here)</i> </div> or <input type="checkbox"/> Correspondence address below  |                     |
| Name  | <b>PHILIPS ELECTRONICS NORTH AMERICA CORP.</b> |  |                     |
| Address   | <b>345 Scarborough Road</b>                    |  |                     |
| City  | <b>Briarcliff Manor</b>                        | State  | <b>NY</b>           |
| Country   | <b>USA</b>                                     | Zip Code   | <b>10510</b>        |
| Telephone   | <b>914 333-9643</b>                            | Fax  | <b>914 332-0615</b> |
| Name (Print/Type)   | <b>ERIC M. BRAM</b>                            | Registration No. (Attorney/Agent)  | <b>37,285</b>       |
| Signature   |  | Date   | <b>10/15/03</b>     |

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# FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.


Complete if Known

TOTAL AMOUNT OF PAYMENT (\$)**750**

Application Number  
Filing Date **CONCURRENTLY**  
First Named Inventor **GEORGE MELNIK**  
Examiner Name **JENNIFER M. KENNEDY**  
Group / Art Unit **2812**  
Attorney Docket No. **US 010177A**

| METHOD OF PAYMENT (check one)   |                       | FEE CALCULATION (continued)  |                       |  |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
|---|-----------------------|--|-----------------------|--|-----------------------|-----------------|-----------------------|-----------------|----------|-----|-----|--------------------|------------|-------------------------------------|-----|-----|-----|-------------------|----|---|-----|-----|-----|------------------|-----|---------------------------|-----|-----|-------|--------------------|-------|--|-----|-----|------|------------------------|------|---|--|--------------|--------------|----------------|----------|---|---|-----|-----|--------------------|----|--|---|--------------------|-----|-----|-----|---|-----------------|----------------|-----------------|-----------------|----------|--|----|-----|-------|------------------------|-----|---|----|-----|-------|-----------------------------------|-----|--|-----|-----|-----|---------------------------------------|-----|------------------|----|-----|-----|--|-----|--|----|-----|-----|--|-----|--------------------------|--|-----|-------|-----|-------|---|--|-----|-----|-----|----|----------------------------------|--|-----|-------|-----|-----|------------------------------------|--|-----|-------|-----|-----|--------------------------------|--|-----|-----|-----|-----|------------------|--|-----|-----|-----|-----|-----------------|--|-----|-----|-----|-----|-------------------------------|--|-----|----|-----|----|--------------------------------------|--|-----|-----|-----|-----|---|--|-----|----|-----|----|--|--|-----|-----|-----|-----|---|--|-----|-----|-----|-----|--|--|-----|-----|-----|-----|---|--|-----|-----|-----|-----|---|--|
| <p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:</p> <p>Deposit Account Number <b>14-1270</b></p> <p>Deposit Account Name <b>Philips Research</b></p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17</p> <p><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27</p> <p>2. <input type="checkbox"/> Payment Enclosed:</p> <p><input type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other</p>   |                       | <p>3. ADDITIONAL FEES</p> <table border="1"> <thead> <tr> <th>Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Fee Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet.</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for reexamination</td><td></td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>116</td><td>400</td><td>216</td><td>200</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>920</td><td>217</td><td>460</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118</td><td>1,440</td><td>218</td><td>720</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>1,960</td><td>228</td><td>980</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>320</td><td>219</td><td>160</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>320</td><td>220</td><td>160</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>280</td><td>221</td><td>140</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>141</td><td>1,280</td><td>241</td><td>640</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>142</td><td>1,280</td><td>242</td><td>640</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143</td><td>460</td><td>243</td><td>230</td><td>Design issue fee</td><td></td></tr> <tr><td>144</td><td>620</td><td>244</td><td>310</td><td>Plant issue fee</td><td></td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Processing fee under 37 CFR 1.17 (q)</td><td></td></tr> <tr><td>126</td><td>180</td><td>126</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>146</td><td>740</td><td>246</td><td>370</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td><td></td></tr> <tr><td>149</td><td>740</td><td>249</td><td>370</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td><td></td></tr> <tr><td>179</td><td>740</td><td>279</td><td>370</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>169</td><td>900</td><td>169</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> </tbody> </table> <p>Other fee (specify) _____</p> <p>*Reduced by Basic Filing Fee Paid</p> <p>SUBTOTAL (3) (\$)<b>0</b></p> |                       | Fee Code   | Large Entity Fee (\$) | Fee Code        | Small Entity Fee (\$) | Fee Description | Fee Paid | 105 | 130 | 205                | 65         | Surcharge - late filing fee or oath |     | 127 | 50  | 227               | 25 | Surcharge - late provisional filing fee or cover sheet. |     | 139 | 130 | 139              | 130 | Non-English specification |     | 147 | 2,520 | 147                | 2,520 | For filing a request for reexamination |     | 112 | 920* | 112                    | 920* | Requesting publication of SIR prior to Examiner action  |  | 113          | 1,840*       | 113            | 1,840*   | Requesting publication of SIR after Examiner action |   | 115 | 110 | 215                | 55 | Extension for reply within first month |   | 116                | 400 | 216 | 200 | Extension for reply within second month |                 | 117            | 920             | 217             | 460      | Extension for reply within third month |    | 118 | 1,440 | 218                    | 720 | Extension for reply within fourth month |    | 128 | 1,960 | 228                               | 980 | Extension for reply within fifth month |     | 119 | 320 | 219                                   | 160 | Notice of Appeal |    | 120 | 320 | 220  | 160 | Filing a brief in support of an appeal |    | 121 | 280 | 221  | 140 | Request for oral hearing |  | 138 | 1,510 | 138 | 1,510 | Petition to institute a public use proceeding |  | 140 | 110 | 240 | 55 | Petition to revive - unavoidable |  | 141 | 1,280 | 241 | 640 | Petition to revive - unintentional |  | 142 | 1,280 | 242 | 640 | Utility issue fee (or reissue) |  | 143 | 460 | 243 | 230 | Design issue fee |  | 144 | 620 | 244 | 310 | Plant issue fee |  | 122 | 130 | 122 | 130 | Petitions to the Commissioner |  | 123 | 50 | 123 | 50 | Processing fee under 37 CFR 1.17 (q) |  | 126 | 180 | 126 | 180 | Submission of Information Disclosure Stmt |  | 581 | 40 | 581 | 40 | Recording each patent assignment per property (times number of properties) |  | 146 | 740 | 246 | 370 | Filing a submission after final rejection (37 CFR § 1.129(a)) |  | 149 | 740 | 249 | 370 | For each additional invention to be examined (37 CFR § 1.129(b)) |  | 179 | 740 | 279 | 370 | Request for Continued Examination (RCE) |  | 169 | 900 | 169 | 900 | Request for expedited examination of a design application |  |
| Fee Code  | Large Entity Fee (\$) | Fee Code   | Small Entity Fee (\$) | Fee Description  | Fee Paid              |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 105   | 130                   | 205  | 65                    | Surcharge - late filing fee or oath  |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 127   | 50                    | 227  | 25                    | Surcharge - late provisional filing fee or cover sheet.                    |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 139   | 130                   | 139  | 130                   | Non-English specification  |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 147   | 2,520                 | 147  | 2,520                 | For filing a request for reexamination                                     |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 112   | 920*                  | 112  | 920*                  | Requesting publication of SIR prior to Examiner action                     |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 113   | 1,840*                | 113  | 1,840*                | Requesting publication of SIR after Examiner action                        |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 115   | 110                   | 215  | 55                    | Extension for reply within first month                                     |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 116   | 400                   | 216  | 200                   | Extension for reply within second month                                    |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 117   | 920                   | 217  | 460                   | Extension for reply within third month                                     |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 118   | 1,440                 | 218  | 720                   | Extension for reply within fourth month                                    |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 128   | 1,960                 | 228  | 980                   | Extension for reply within fifth month                                     |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 119   | 320                   | 219  | 160                   | Notice of Appeal   |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 120   | 320                   | 220  | 160                   | Filing a brief in support of an appeal                                     |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 121   | 280                   | 221  | 140                   | Request for oral hearing   |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 138   | 1,510                 | 138  | 1,510                 | Petition to institute a public use proceeding                              |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 140   | 110                   | 240  | 55                    | Petition to revive - unavoidable   |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 141   | 1,280                 | 241  | 640                   | Petition to revive - unintentional   |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 142   | 1,280                 | 242  | 640                   | Utility issue fee (or reissue)   |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 143   | 460                   | 243  | 230                   | Design issue fee   |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 144   | 620                   | 244  | 310                   | Plant issue fee  |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 122   | 130                   | 122  | 130                   | Petitions to the Commissioner  |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 123   | 50                    | 123  | 50                    | Processing fee under 37 CFR 1.17 (q)                                       |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 126   | 180                   | 126  | 180                   | Submission of Information Disclosure Stmt                                  |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 581   | 40                    | 581  | 40                    | Recording each patent assignment per property (times number of properties) |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 146   | 740                   | 246  | 370                   | Filing a submission after final rejection (37 CFR § 1.129(a))              |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 149   | 740                   | 249  | 370                   | For each additional invention to be examined (37 CFR § 1.129(b))           |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 179   | 740                   | 279  | 370                   | Request for Continued Examination (RCE)                                    |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 169   | 900                   | 169  | 900                   | Request for expedited examination of a design application                  |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| <p>1. BASIC FILING FEE</p> <table border="1"> <thead> <tr> <th>Large Fee Code</th> <th>Entity Fee (\$)</th> <th>Small Fee Code</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>101</td><td>740</td><td>201</td><td>370</td><td>Utility filing fee</td><td><b>750</b></td></tr> <tr><td>106</td><td>330</td><td>206</td><td>165</td><td>Design filing fee</td><td></td></tr> <tr><td>107</td><td>510</td><td>207</td><td>255</td><td>Plant filing fee</td><td></td></tr> <tr><td>108</td><td>740</td><td>208</td><td>370</td><td>Reissue filing fee</td><td></td></tr> <tr><td>114</td><td>160</td><td>214</td><td>80</td><td>Provisional filing fee</td><td></td></tr> </tbody> </table> <p>SUBTOTAL (1) (\$)<b>750</b></p> |                       | Large Fee Code   | Entity Fee (\$)       | Small Fee Code   | Entity Fee (\$)       | Fee Description | Fee Paid              | 101             | 740      | 201 | 370 | Utility filing fee | <b>750</b> | 106                                 | 330 | 206 | 165 | Design filing fee |    | 107   | 510 | 207 | 255 | Plant filing fee |     | 108                       | 740 | 208 | 370   | Reissue filing fee |       | 114                                    | 160 | 214 | 80   | Provisional filing fee |      | <p>2. EXTRA CLAIM FEES</p> <table border="1"> <thead> <tr> <th>Total Claims</th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>20 **</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>Independent Claims</td><td>0</td><td>84</td><td>0</td></tr> <tr><td>Multiple Dependent</td><td></td><td></td><td>0</td></tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Large Fee Code</th> <th>Entity Fee (\$)</th> <th>Small Fee Code</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>103</td><td>18</td><td>203</td><td>9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>102</td><td>84</td><td>202</td><td>42</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>104</td><td>280</td><td>204</td><td>140</td><td>Multiple dependent claim, if not paid</td><td></td></tr> <tr><td>109</td><td>84</td><td>209</td><td>42</td><td>** Reissue independent claims over original patent</td><td></td></tr> <tr><td>110</td><td>18</td><td>210</td><td>9</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr> </tbody> </table> <p>SUBTOTAL (2) (\$)<b>0</b></p> |  | Total Claims | Extra Claims | Fee from below | Fee Paid | 20 **   | 0 | 0   | 0   | Independent Claims | 0  | 84                                     | 0 | Multiple Dependent |     |     | 0   | Large Fee Code                          | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description | Fee Paid | 103                                    | 18 | 203 | 9     | Claims in excess of 20 |     | 102                                     | 84 | 202 | 42    | Independent claims in excess of 3 |     | 104                                    | 280 | 204 | 140 | Multiple dependent claim, if not paid |     | 109              | 84 | 209 | 42  | ** Reissue independent claims over original patent |     | 110                                    | 18 | 210 | 9   | ** Reissue claims in excess of 20 and over original patent |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| Large Fee Code  | Entity Fee (\$)       | Small Fee Code   | Entity Fee (\$)       | Fee Description  | Fee Paid              |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 101   | 740                   | 201  | 370                   | Utility filing fee   | <b>750</b>            |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 106   | 330                   | 206  | 165                   | Design filing fee  |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 107   | 510                   | 207  | 255                   | Plant filing fee   |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 108   | 740                   | 208  | 370                   | Reissue filing fee   |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 114   | 160                   | 214  | 80                    | Provisional filing fee   |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| Total Claims  | Extra Claims          | Fee from below   | Fee Paid              |  |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 20 **   | 0                     | 0  | 0                     |  |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| Independent Claims  | 0                     | 84   | 0                     |  |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| Multiple Dependent  |                       |  | 0                     |  |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| Large Fee Code  | Entity Fee (\$)       | Small Fee Code   | Entity Fee (\$)       | Fee Description  | Fee Paid              |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 103   | 18                    | 203  | 9                     | Claims in excess of 20   |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 102   | 84                    | 202  | 42                    | Independent claims in excess of 3  |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 104   | 280                   | 204  | 140                   | Multiple dependent claim, if not paid                                      |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 109   | 84                    | 209  | 42                    | ** Reissue independent claims over original patent                         |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 110   | 18                    | 210  | 9                     | ** Reissue claims in excess of 20 and over original patent                 |                       |                 |                       |                 |          |     |     |                    |            |                                     |     |     |     |                   |    |   |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |   |  |              |              |                |          |   |   |     |     |                    |    |  |   |                    |     |     |     |   |                 |                |                 |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |

\*\*or number previously paid, if greater; For Reissues, see above

| SUBMITTED BY      |   | Complete (if applicable)        |                       |
|-------------------|---|---------------------------------|-----------------------|
| Name (Print/Type) | <b>ERIC M. BRAM</b>   | Registration No. Attorney/Agent | <b>37,285</b>         |
| Signature         |  | Telephone                       | <b>(914) 333-9635</b> |
|                   |   | Date                            | <b>10/15/03</b>       |

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Atty. Docket

GEORGE MELNIK ET AL

US 010177A

Serial No.:

Filed: CONCURRENTLY

Title: LIQUID CRYSTAL DISPLAY DEVICE HAVING UNIFORM INTEGRATED SPACERS

Commissioner for Patents  
Alexandria, VA 22313

APPOINTMENT OF ASSOCIATES

Sir:

The undersigned Attorney of Record hereby revokes all prior appointments (if any) of Associate Attorney(s) or Agent(s) in the above-captioned case and appoints:

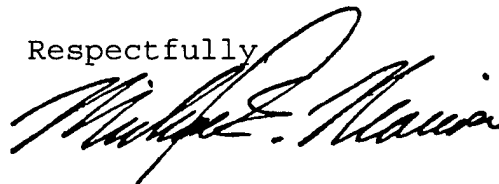
**ERIC M. BRAM**

**(Registration No. 37,285)**

c/o U.S. PHILIPS CORPORATION, Intellectual Property Department,  
P.O. BOX 3001, Briarcliff Manor NY 10510, his Associate  
Attorney(s)/Agent(s) with all the usual powers to prosecute the  
above-identified application and any division or continuation  
thereof, to make alterations and amendments therein, and to  
transact all business in the Patent and Trademark Office connected  
therewith.

ALL CORRESPONDENCE CONCERNING THIS APPLICATION AND THE  
LETTERS PATENT WHEN GRANTED SHOULD BE ADDRESSED TO THE UNDERSIGNED  
ATTORNEY OF RECORD.

Respectfully

A handwritten signature in black ink, appearing to read "Michael E. Marion", written over the word "Respectfully".

Michael E. Marion, Reg. 32,266  
Attorney of Record